

4.—A List of Lichens of Western Australia

By P. Bibby* and G. G. Smith†

Manuscript accepted—24th May, 1954

Between 1929 and 1952 a collection of Western Australian lichens was built up in the Botany Department of the University of Western Australia. The collection was made and determined by members of the staff and senior students. It was prepared and sorted by the second author and submitted to the first author who is responsible for the checking and completion of the identifications.

Specimens of the species listed below are housed in the herbarium of the Botany Department of the University of Western Australia. A duplicate set has been presented to the National Herbarium of Victoria.

The list is not to be regarded as a comprehensive one for the whole of the State but it does include the more common and conspicuous foliose and fruticose forms of the south-western province.

The classification used is that of Fink (1935).

Class Ascolichenes
Subclass Gymnocarpeae
Order Hysteriales
Family Graphidaceae

GRAPHIS *Adans.*

G. scripta (*L.*) *Ach.*, *Akad. Nya. Handl.* 145 (1809).
Habitat: On bark, Karri forest, Pemberton.

Order Lecanorales

Family Thelotremaceae

THELOTREMA *Ach.*

T. lepadinum *Ach.*, *Lich. Universalis* 312 (1810).
Habitat: On bark, Karri forest, Pemberton.

Diploschistaceae

DIPLOSCHISTES *Norm.*

D. scruposus (*Schreb.*) *Norm.*, *Conatus* 20 (1852).
Habitat: On laterite, Narrogin.

Lecideaceae

LECIDEA *Ach.*

L. planata *Müll.-Arg.*, *Flora* 70: 61 (1887).
Habitat: On clay, Boddington; on desert soil, Forrest; on anthill, Bullsbrook.

L. decipiens (*Ehrh.*) *Ach.*, *Meth. Lich.* 80 (1803).
Habitat: On laterite, Narrogin.

Cladoniaceae

THYSANOTHECIUM *Berk & Mont.*

T. Hookeri *Berk & Mont.*, *Hook. Journ. Bot.* 5: 257 (1846).
Habitat: On termite nest, on laterite, Narrogin.

CLADONIA *Hill*

C. aggregata (*Sw.*) *Eschw.*, *Mart. Fl. Brazil.* 1: 278 (1833).
Habitat: On humus amongst granite, Narrogin and Darlington.

C. verticillata *Hoffm.*, *Deutsch. Fl.* 2: 122 (1796).
Habitat: On charred wood, Werribee; in moss beds, Kenwick.

C. retipora (*Labill.*) *Fries.*, *Nov. Sched. Crit.* 21 (1826).
Habitat: In clefts of granite outcrops, Jarrah-dale.

C. furcata (*Huds.*) *Schrad.* var. *Habitat:* In moss beds, Porongorups.

C. foliacea (*Huds.*) *Schaer.*, *Lich. Helv. Spic.* 294 (1833).
Habitat: In moss beds, Darlington.

C. cariosa (*Ach.*) *Spreng.*, *Syst. Veg.* 4: 272 (1827).
Habitat: Common on charred wood, Porongorups and Werribee.

C. fragilissima *Krempelh.*, in *Herb. Melb.*
Habitat: On laterite, Narrogin.

Acarosporaceae

ACAROSPORA *Massal.*

A. sp. *Habitat:* On clay soil, Forrest.

Stictaceae

STICTA *Schreb.*

S. crotata (*L.*) *Ach.*, *Meth. Lich.* 277 (1803).
Habitat: On fallen tree trunks, Pemberton.

Peltigeraceae

PELTIGERA *Willd.*

P. polydactyla (*Neck.*) *Hoffm.*, *Descript. & Adumbr. Pl. Lich.* 1: 19 (1790).
Habitat: On leaf litter and humus, Karri forest, Pemberton.

Lecanoraceae

LECANORA *Ach.*

L. caesio-rubella *Ach.*, *Lich. Universalis* 366 (1810).
Habitat: On bark of *Eucalyptus calophylla*, Narrogin.

*National Herbarium of Victoria

†Botany Department, University of Western Australia

CANDELARIELLA Müll.-Arg.

- C. vitellina (Ehrh.) Müll.-Arg., Bull. Herb. Boiss. 2: app. 47 (1894).
Habitat: On bark and wood of *Acacia acuminata*, Narrogin.

LECANIA Zahlbr.

- L. punicea (Ach.) Müll.-Arg., Flora 37: 294 (1879).
Habitat: On *Acacia acuminata*, Boddington.

Parmeliaceae

PARMELIA Ach.

- P. amphixantha, Müll.-Arg., Flora 71: 39 (1888).
Locality unknown.
- P. perlata (L.) Ach., Meth. Lich. 216 (1803).
Habitat: On oak trees, Boyanup; on charred wood, Pemberton.
- P. physodes var. pulverata Müll.-Arg., Flora 66: 75 (1883).
Habitat: On paper-bark trees, Nornalup; tree branches, Karri forest, Pemberton.
- P. conspersa Ach., Meth. Lich 205 (1803).
Habitat: Encrusting granite outcrops, Boddington.
- P. pertusa (Schrank) Schaer., Lich. Helv. Spic. 10: 457 (1839).
Habitat: On *Acacia acuminata*, Boddington.
- P. rutidota, Hook. f. & Tayl., Lond. Journ. Bot. 3: 645 (1844).
Habitat: On bark of *Acacia acuminata*, Boddington.
- P. imitatrix, Tayl., Lond. Journ. Bot. 6: 161 (1847).
Habitat: On gabbro, Narrogin.
- P. hypoxantha, Müll.-Arg., Flora 39: 85 (1881).
Habitat: On ground in tree belt, Forrest.

Usneaceae

RAMALINA Ach.

- R. calicaris (L.) Röhling, Deutschl. Fl. 3: 139 (1813).
Habitat: On bark of *Acacia acuminata*, Toodyay.

USNEA Dill.

- U. barbata (L.) Wigg, var. xanthopoga Müll.-Arg., Flora 72: 143 (1889).
Habitat: On *Acacia acuminata*, Boddington.
- U. barbata (L.) Wigg, Prim. Fl. Hols. 91 (1780).
Habitat: On branches of trees, Pemberton.
- U. barbata (L.) Wigg, var. scabrida Müll.-Arg., Lich. Nov.—Granat. No. 20 (1879).
Habitat: On bark of *Acacia* spp., Narrogin and Boddington.

SIPHULA Fr.

- S. caesia Müll.-Arg., Hedw. 31: 191 (1892).
Habitat: In moss beds and granite soil, Jarrahdale.

Caloplacaceae

CALOPLACA Th. Fr.

- C. aurantiaca (Lightf.) Fries., Nov. Act. Reg. Soc. Sc. Ups. 3: 219 (1861).
Habitat: Fence posts and tree bark, Narrogin.

Teloschistaceae

XANTHORIA Th. Fr.

- X. parietina (L.) Norm., Conatus 17 (1852).
Habitat: On dead wood of *Olearia axillaris*, Garden Island.

TELOSCHISTES Norm.

- T. chrysophthalmus (L.) Beltr., Lich. Bass. 109 (1858).
Habitat: On bark, Forrest; on bark, Pinjarra.

Buelliaceae

BUELLIA De Not.

- B. subalbula Müll.-Arg., Lich. Aegypt. 49 (1884).
Habitat: Encrusting stones, Forrest.

Reference

- Fink, B.: (1935) "Lichen Flora of the United States" (Univ. of Michigan).

